

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) An extractor comprising a structure body having an extracting device and a hole forming device, ~~that~~ said structure body is supported so as to be rotatable, and said structure-extracting device comprising a capturing section for capturing specific chemical components from a specimen; specimen and a plurality of reagent containers ~~which are organized for the capturing,~~ and which hold liquid which will flow through ~~the~~ said capturing section, wherein:

~~the~~ said plurality of reagent containers which are connected to ~~the~~ said capturing section comprise a liquid outlet port which is provided at ~~the~~ a side opposite to ~~the~~ a rotation center-side, namely an outer periphery side, during rotation of said structure body;

~~the~~ said capturing section is held in ~~the~~ the structure said extracting device, closer to ~~the~~ an outer periphery side than ~~the~~ said plurality of reagent containercontainers;

and

a flow path is provided which has a bent flow path portion which returns to ~~the~~ said rotation center-side, and which at a particular stage prevents ~~the~~ a flow of liquid from ~~the~~ said reagent containers which are connected to ~~the~~ said capturing sections, and at another stage, forms ~~the~~ said liquid flow due to ~~the~~ a centrifugal force from ~~the~~ a rotation of ~~the structure~~ said extracting device, and a vent hole is formed to a cover for sealing said reagent containers using said hole forming device.

2. (Cancelled).

3. (Cancelled).

4. (Currently Amended) An extractor comprising a structure ~~that~~body having an extracting device and a hole forming device, said structure body is supported so as to be rotatable, said ~~structure~~extracting device comprising a capturing section for capturing specific chemical ~~components~~compounds from a ~~specimen, specimen~~ and a plurality of reagent containers ~~which are organized for the capturing, and which~~ hold liquid which will flow through the said capturing section, wherein:

~~the said~~ plurality of reagent containers which are connected to ~~the said~~ capturing section comprise a liquid outlet port which is provided at a side opposite to ~~the a~~ rotation center side; namely an outer periphery side, during rotation of said structure body;

~~the said~~ capturing section is held in the ~~structure~~said extracting device, closer to the an outer periphery side than ~~the said~~ plurality of reagent ~~container~~containers; and

a dispensing mechanism for dispensing the said liquid to the said reagent containers is provided, and

~~and the said~~ capturing section and said reagent containers which are connected to the said capturing section are connected by a flow path ~~in which there are no valves.~~

5. (Currently Amended) A chemical analyzer comprising a structure ~~that~~body having an analyzing device and a hole forming device, said structure body is supported so as to be rotatable, said ~~structure~~analyzing device comprising a capturing section for capturing specific chemical components from a specimen and specimen containers, and reagent containers ~~including washing solution containers,~~ wherein:

~~the said~~ reagent container ~~and washing solution container~~ ~~comprise~~comprises a liquid outlet port which is provided at a periphery side opposite to the a rotation

center side during rotation of said structure body;

the said capturing section is held in the structure said analyzing device, closer to the an outer periphery side than the said specimen containers and the reagent containers which include the washing solution containers;

a flow path is provided which connects the said capturing section, with the washing solution containers and with other said reagent containers;

at the outersaid periphery side and at the downstream side of the said capturing section, in an amplifying solution storage container for introducing amplifying solution for amplification and detection, analysis sections are provided which are connected by a flow path which forms the flow of amplifying solution due to centrifugal force without using valves, having a bent flow path portion which returns to a rotation center side than a position of a flow path outlet of said amplifying solution storage container, in an amplifying solution storage container for introducing amplifying solution for amplification and detection, and the a flow path outlet port from the said amplifying solution storage container to the said analysis section is provided at the said outer periphery side.

6. (Cancelled).

7. (Cancelled).

8. (Currently Amended) The A chemical analyzer of according to Claim 5 or claim 5 or claim 8,

wherein

the said reagent containers including the washing solution containers have a dispensing mechanism.

9. (Currently Amended) ~~The~~ A chemical analyzer ~~of according to any of Claims 5 to 8~~ claim 8, wherein ~~the~~ a discharge fluid storage container is arranged along ~~the~~ a periphery and connected to ~~the~~ said analysis section.

10. (Currently Amended) A chemical analyzer comprising a structure body having an analyzing device and a hole forming device, that is supported so as to be rotatable, said ~~structure~~ analyzing device comprising a capturing section for capturing specific nucleic acids from a specimen, specimen containers, serum storage containers, mixture containers in which reagents and said ~~specimens~~ specimen are mixed, and reagent containers which include washing solution containers, wherein:

~~the~~ said specimen container, ~~the~~ said mixture container, and ~~the~~ said washing solution container comprise a liquid outlet port which is provided at an outer periphery side opposite to ~~the~~ a rotation center side; during rotation of said structure body,

~~the~~ said nucleic acid capturing section is held in ~~the~~ structure said analyzing device closer to ~~the~~ said outer periphery side than ~~the~~ said specimen containers, ~~the~~ said reagent containers, and ~~the~~ said washing solution containers;

a flow path is provided which connects ~~the~~ said nucleic acid capturing section with ~~the~~ said washing solution containers and the other reagent containers; and

at ~~the~~ outer said periphery side and ~~at the downstream side of the~~ said capturing section, to an amplifying solution storage container for introducing amplifying solution for amplification and detection, analysis sections are provided, which are connected by a flow path which ~~forms the flow of amplifying solution due to centrifugal force without using valves~~ having a bent flow path portion which returns to a rotation center side than a position of a flow outlet of said amplifying solution storage container, ~~in an amplifying solution storage container for introducing amplifying solution for amplification and detection~~, and ~~the~~ a flow path outlet port from

~~the said~~ amplifying solution storage container to ~~the said~~ analysis section is provided at ~~the said~~ outer periphery side.

11. (Cancelled).

12. (Cancelled).

13. (Currently Amended) ~~The~~ A chemical analyzer ~~of according to Claims 10 or 11~~ claim 10, wherein

~~the said~~ reagent containers ~~including the washing solution containers~~ have a dispensing mechanism.

14. (Currently Amended) ~~The~~ A chemical analyzer ~~of according to any of Claims 10 to 12~~ claim 10, wherein discharge fluid storage containers are arranged along to ~~the a~~ periphery and are connected to ~~the said~~ analysis section.

15. (Currently Amended) A chemical analyzer comprising a structure body having an analyzing device and a hole forming device, ~~that said structure body~~ is supported so as to be rotatable, said ~~structure-analyzer device~~ comprising a nucleic acid capturing section for capturing specific nucleic acids from a specimen, specimen containers, mixture containers in which reagents and said specimens-specimen are mixed, and reagent containers which include washing solution containers, wherein:

~~the said~~ specimen containers, ~~the said~~ mixture containers and ~~the said~~ washing solution containers comprise a liquid outlet port which is provided at ~~the an~~ outer periphery side opposite to ~~the a~~ rotation center side during rotation of said structure body;

~~the said~~ nucleic acid capturing section is held in ~~the structure~~ said analyzing device, closer to ~~the said~~ outer periphery side than ~~the said~~ specimen containers, the

said mixture containers, and ~~the~~ said reagent containers which include ~~the~~ said washing solution ~~containers,~~ containers;

a flow path is provided which connects ~~the~~ said nucleic acid capturing section with ~~the~~ said mixture containers and ~~the~~ said washing solution containers, and has a bent flow path portion which ~~returns~~ returns, closer to ~~the~~ a rotation center side than ~~the~~ an outlet port of ~~the~~ said mixture container and ~~the~~ said washing solution container respectively.

16. (Currently Amended) A chemical analyzer comprising a structure body having an analyzing device and a hole forming device, that is supported so as to be rotatable, said ~~structure~~ analyzing device comprising a nucleic acid capturing section for capturing specific nucleic acids from a specimen, specimen containers, mixture containers in which reagents and ~~specimens~~ specimen are mixed, and reagent containers which include washing solution containers, wherein:

~~the~~ said specimen containers, and ~~the~~ said reagent containers which include ~~the~~ said washing solution containers and are sealed with a cover, and comprise a liquid outlet port which is provided at ~~the~~ an outer periphery side opposite to ~~the~~ a rotation center side during rotation of said structure body;

~~the~~ said nucleic acid capturing section is held in ~~the~~ said ~~structure~~ analyzing device, closer to ~~the~~ said outer periphery side than ~~the~~ said specimen containers, ~~the~~ said mixture containers, and said reagent containers including ~~the~~ said washing solution containers and ~~comprises~~ a said hole forming device ~~for forming forms~~ a vent hole in ~~the~~ said cover of ~~the~~ said specimen container, ~~the~~ said washing solution container and the other reagent containers; and

~~the~~ said nucleic acid capturing section ~~and the~~ , said mixture containers and ~~the~~ said washing solution containers, ~~and the other reagent containers,~~ are connected by a flow path, and ~~the~~ said flow path has a bent flow path portion which returns closer to ~~the~~ a rotation center side than ~~the~~ an outlet port of ~~the~~ said washing

~~solution-solutions~~ containers and said the other reagent container respectively, and which before a vent hole formation ~~prevents a~~ the flow of liquid from ~~the~~ said washing solution containers, and said the other reagent container, and after said vent hole formation, forms a liquid flow due to ~~the a~~ centrifugal force from ~~the a~~ rotation of ~~the structure~~ said analyzing device, and prevents ~~the a~~ flow of liquid remaining in ~~the a~~ flow path from flowing to ~~the~~ said nucleic acid capturing section.

17. – 22. (Cancelled).

23. (Currently Amended) An extractor comprising a structure body having an extracting device, ~~that said structure body~~ is supported so as to be rotatable, and ~~said structure~~ extracting device comprising a capturing section for capturing specific chemical components from a ~~specimen, specimen~~ and a plurality of reagent containers ~~which are organized for the capturing, and which~~ hold liquid which will flow through ~~the~~ said capturing section, wherein:

~~the~~ said plurality of reagent containers which are connected to ~~the~~ said capturing section comprise a liquid outlet port which is provided at ~~the a~~ side opposite to ~~the a~~ rotation center-side, namely an outer periphery side during rotation of said structure body;

~~the~~ said capturing section is held in ~~the structure~~ said extracting device, closer to ~~the an~~ outer periphery side than ~~the~~ said plurality of reagent ~~container~~ containers;

and

a reagent control portion is provided an upstream side of ~~the a~~ reagent outlet port which controls ~~the a~~ flow of ~~the a~~ reagent and which at a particular stage prevents ~~the a~~ flow of liquid from ~~the~~ said reagent containers which are connected to ~~the~~ said capturing section to ~~the~~ said capturing sections, and at another stage, forms ~~the~~ said liquid flow due to ~~the a~~ centrifugal force from ~~the a~~ rotation of ~~the structure~~ said extracting device.

24. (Currently Amended) An extractor comprising a structure body having an extracting device, that said structure body is supported so as to be rotatable, and said structure extracting device comprising a capturing section for capturing specific chemical substances from a specimen,specimen and a plurality of reagent containers ~~which are organized for the capturing, and~~ which hold liquid which will flow through the said capturing section, wherein wherein:

the said reagent containers separately hold a number of a plurality of washing solutions and eluents as the a reagent, ~~and~~ comprises a reagent outlet for feeding each said reagent to the said capturing section ~~which is positioned at the rotation center side to the same extent as the reagent outlet;~~

said plurality of washing solutions are respectively used at different timings and a reagent outlet of the said washing solution to be used in the subsequent washing step an early timing is positioned a rotation center to the same extent.

25. (Cancelled).

26. (Currently Amended) ~~The~~ An extractor ~~of according to Claim 23 or 24~~ claim 23 or claim 24, wherein wherein:

said extractor has an optical device in which light is irradiated in the said reagent container to heat the said reagent.

27. (New) A structure body comprising:
a main body;
at least one analyzing disc mounted on said main body;
a motor for driving said analyzing disc;
a holding device rotatably supported by said motor;
plural analyzers provided on said holding device;

an operating device mounted on said main body; and
a hole forming device for forming holes on said plural analyzers.

28. (New) A structure body according to claim 27, wherein said analyzing disc comprises:

an upper cover;
a lower cover; and
a flow path portion provided between said upper cover and said lower cover.

29. (New) A structure body according to claim 28, wherein said flow path portion comprises:

plural reagent containers;
extracting devices; and
a capturing section for capturing specific chemical compounds.